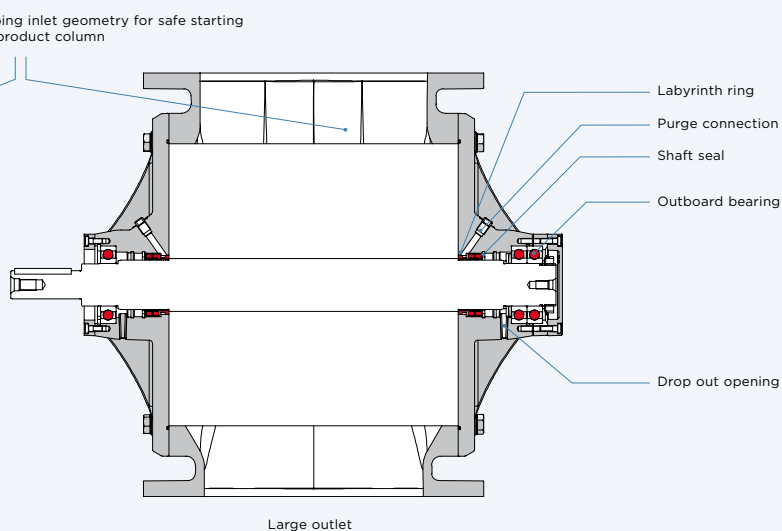
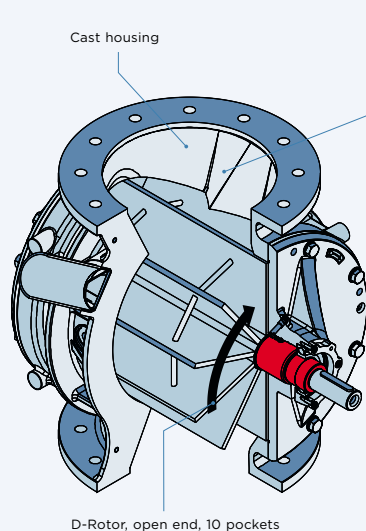


# Rotary Valve ZVD



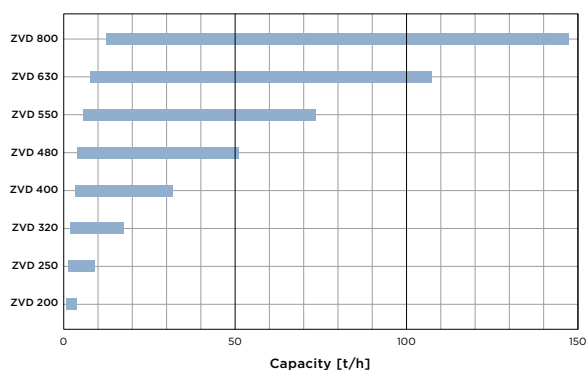
## DISCHARGING VALVE FOR FINE- AND COARSE-GRAINED PRODUCTS

- \_ Max. capacity through ideal ratio of rotor volume and inlet cross section
- \_ Special inlet geometry purpose-built for gentle product handling
- \_ With feeding shoe also suitable for feeding bulk materials into pneumatic conveying systems at up to 1.5 barg (21 psi)



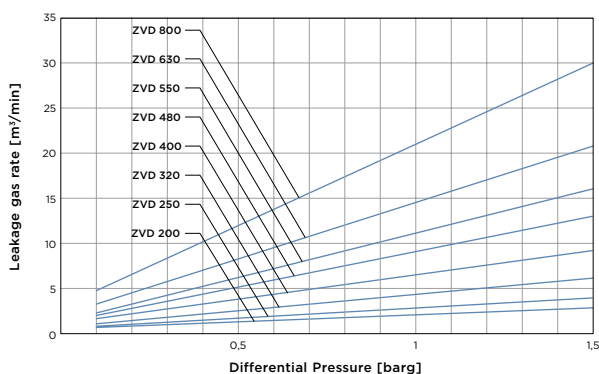
### Performance diagram

PE/PP pellets with bulk density 520 kg/m<sup>3</sup> and particle size 3 mm,  $\Delta p = 0.8$  barg



### Leakage gas diagram

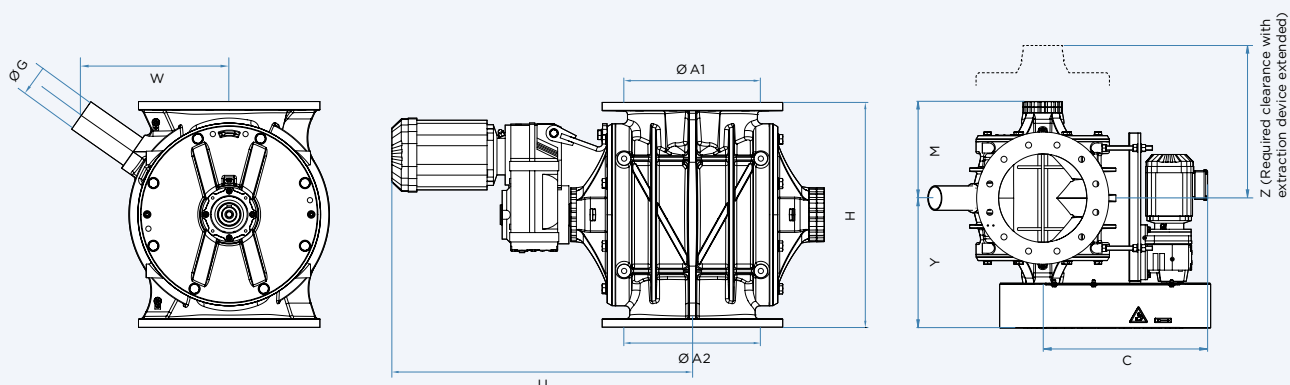
(New, standard clearance 60°C, max. speed)



ROTARY VALVE FOR GRANULAR PRODUCTS | ZVD

|                             |                                                                                     |
|-----------------------------|-------------------------------------------------------------------------------------|
| <b>PRESSURE RANGE</b>       | 1.5 barg (21 psi) system and differential pressure                                  |
| <b>PRESSURE SURGE PROOF</b> | 10 barg (145 psi), due to heavy duty design                                         |
| <b>ATEX (OPTIONAL)</b>      | Usable in Ex-Zones and as protection system (flameproof for dust ST2)               |
| <b>INLET FOR PELLETS</b>    | Anti-chopping inlet geometry (patented) for safe starting below full product column |
| <b>CAPACITY</b>             | High filling efficiency by internal leakage gas venting                             |

|                                                  |
|--------------------------------------------------|
| <b>OPTIONS AND ACCESSORIES</b>                   |
| – Quick cleaning coupling with extraction device |
| – Rotor with shallow pockets                     |
| – Wear protection                                |
| – Scraper blades                                 |
| – X-rotor → ZVX or C-rotor → ZVC                 |
| – High temperature execution (T) up to 250°C     |



Shown without drive

Drive with parallel helical gear motor

With chain drive

|                | Inlet*/Outlet* |              |      |      | Other dimensions             |      |     |     |     |      |      |       | Weight*** appr. kg |      |
|----------------|----------------|--------------|------|------|------------------------------|------|-----|-----|-----|------|------|-------|--------------------|------|
|                | A1/A2 (DIN)    | A1/A2 (ANSI) | Ø A1 | Ø A2 | H <sup>7</sup> <sub>-1</sub> | C**  | Y** | W   | M** | Z**  | U**  | Ø G   | AL                 | SS   |
| <b>ZVD 200</b> | ND 150         | 6"           | 166  | 155  | 360                          | 490  | 328 | 226 | 234 | 761  | 477  | 48,3  | 24                 | 74   |
| <b>ZVD 250</b> | ND 200         | 8"           | 213  | 207  | 450                          | 515  | 347 | 278 | 253 | 786  | 521  | 60,3  | 30                 | 121  |
| <b>ZVD 320</b> | ND 250         | 10"          | 272  | 259  | 500                          | 635  | 391 | 320 | 305 | 958  | 591  | 76,1  | 42                 | 190  |
| <b>ZVD 400</b> | ND 300         | 12"          | 322  | 310  | 600                          | 700  | 474 | 393 | 352 | 1238 | 720  | 88,9  | 92                 | 353  |
| <b>ZVD 480</b> | ND 350         | 14"          | 360  | 350  | 750                          | 755  | 540 | 464 | 415 | 1271 | 770  | 88,9  | 270                | 650  |
| <b>ZVD 550</b> | ND 400         | 16"          | 410  | 400  | 850                          | 785  | 590 | 537 | 470 | /    | 950  | 108,0 | 370                | 860  |
| <b>ZVD 630</b> | ND 500         | 20"          | 500  | 480  | 970                          | 840  | 608 | 589 | 508 | /    | 1010 | 108,0 | 700                | 1360 |
| <b>ZVD 800</b> | ND 700         | 28"          | 700  | 680  | 1140                         | 1380 | 800 | 756 | 561 | /    | 1260 | 168,3 | 1420               | 2570 |

Dimensions in mm

\* Drilled according to DIN PN 10 or ANSI 150 lbs

\*\* Dimensions are not valid for high temperature executions and may vary depending on installed drive

\*\*\* Without drive